

FIG. 1

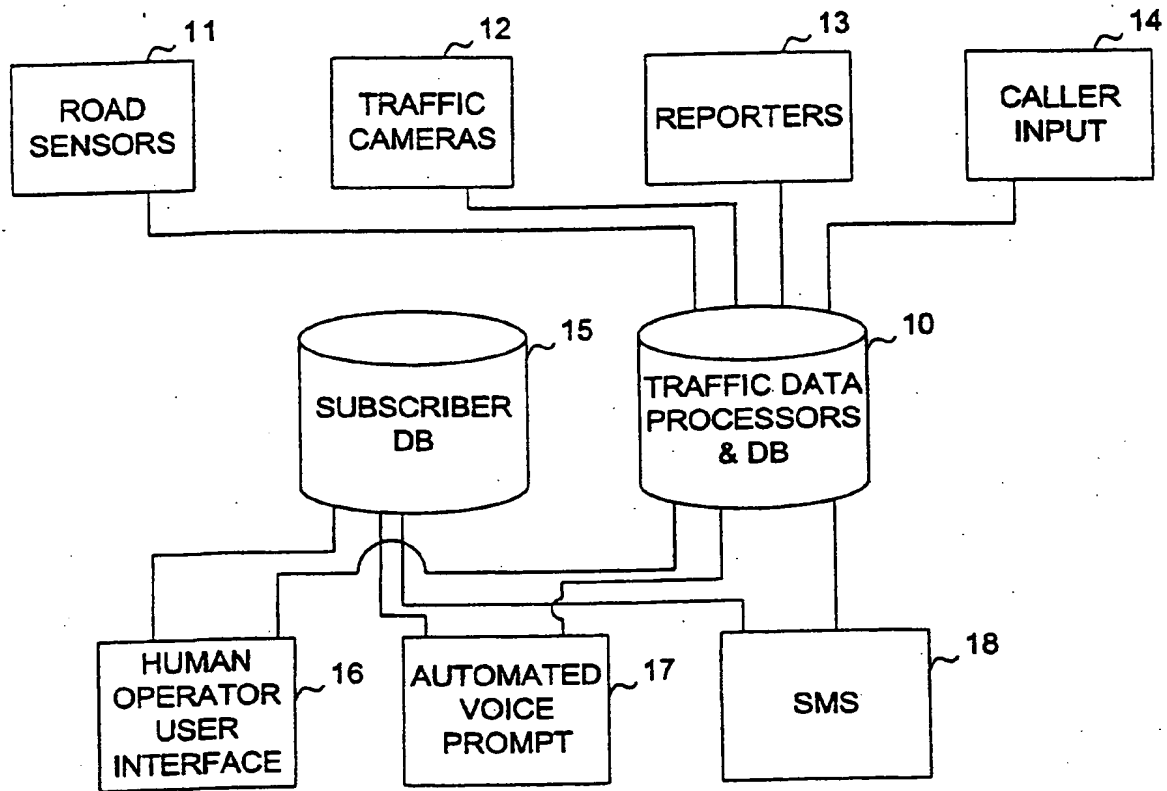


FIG. 2

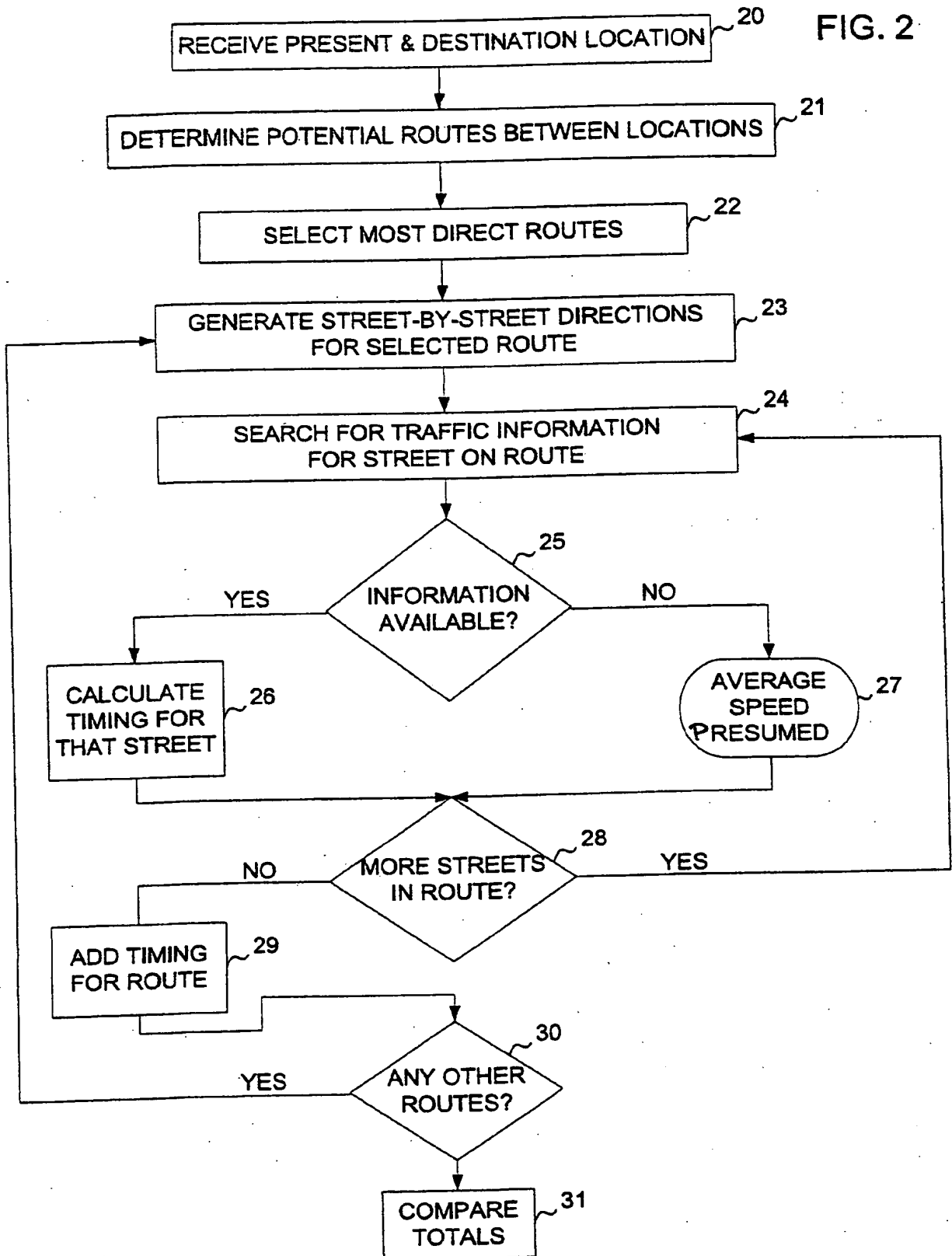


Figure 3

Present Location: Rt. 23N, b/t 1st St. & 2nd St.

Destination Location: HWY 350 at I395

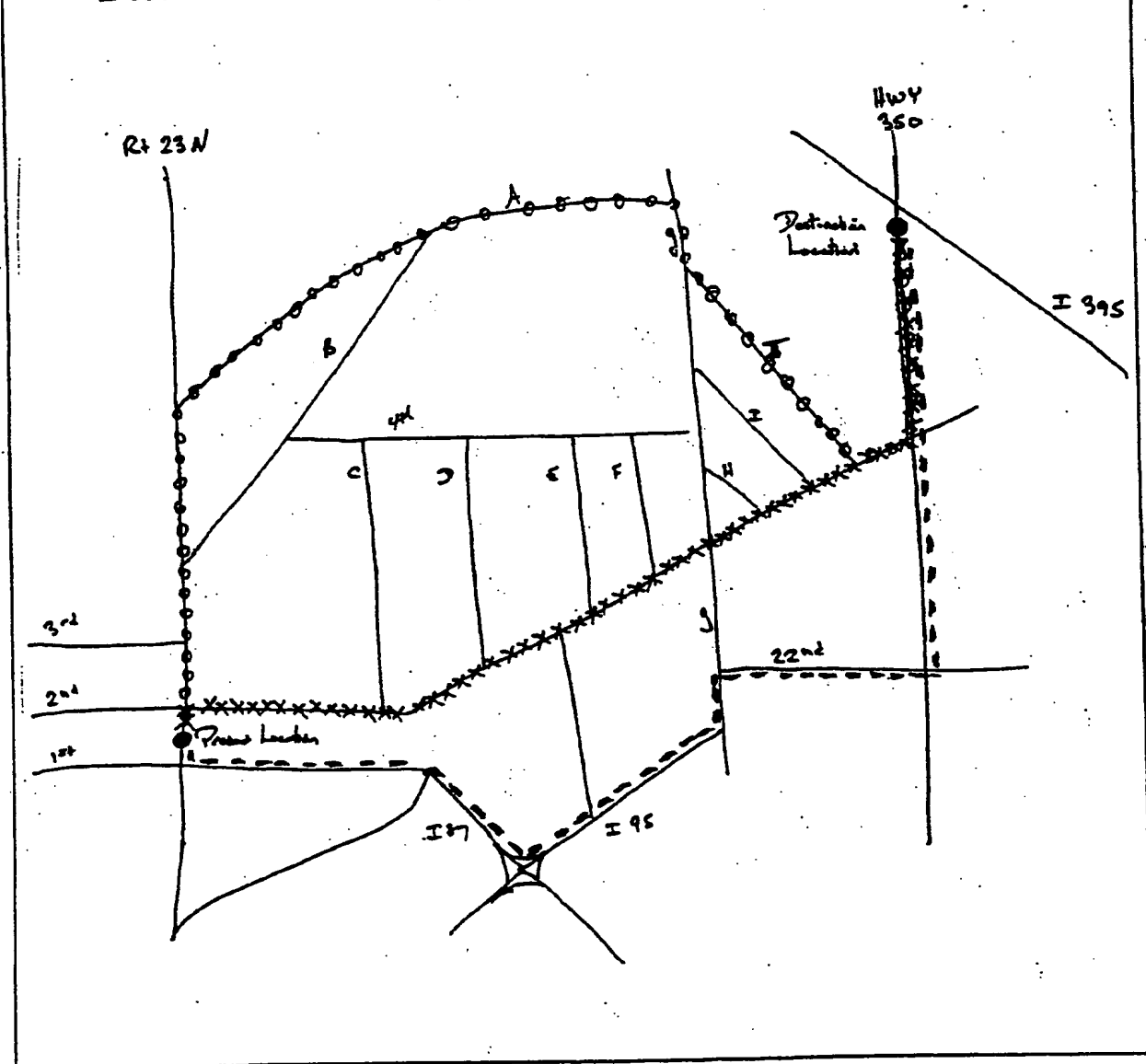


FIG. 4

ROUTE	STREET	STRETCH OF ROAD	DISTANCE
(A)	(1)	Rt 23 N, b/t 1 st & A Sts.,	3 mi
	(2)	A St. W, b/t Rt 23 N & G St.,	6 mi
	(3)	G St. S, b/t A St. & J St.,	1 mi
	(4)	J St. SW, b/t G St. & 2 nd St.	2 mi
	(5)	2 nd St. NW, b/t J St. & Hwy 350	0.5 mi
	(6)	Hwy 350 N, b/t J St. & Hwy 350	5 mi
(B)	(1)	Rt 23 N, b/t 1 st & 2nd Sts.	0.5 mi
	(2)	2 nd St. W, b/t Rt 23N & Hwy 350	6 mi
	(3)	Hwy 350 N, b/t Rt 23N & Hwy 350	5 mi
(C)	(1)	Rt 23 S, b/t 2 nd & 1 st Sts.	.5 mi
	(2)	1 st St. W, b/t Rt 23 & I-87	2 mi
	(3)	I-87 SW, b/t 1 st St. & I-95	2 mi
	(4)	I-95 NW, b/t I-87 & G St.	6 mi
	(4)	G St. N, b/t I-95 & 22 nd St.	1 mi
	(5)	22 nd St. W, b/t G St. & Hwy 350	3 mi
	(6)	Hwy 350 N, b/t G St. & Hwy 350	10 mi

FIG. 5

List of Streets in Route		MI.	Average MPH	# of Traffic Lights	Traffic Advisory/Category	Estimated MPH	Traffic light timing	Time
(1)	Rt 23 N, b/t 1 st & A Sts.,	3 mi	45 mph	1	None	45 mph	+1 min	5 min
(2)	A St. W, b/t Rt 23 N & G St.,	6 mi	45 mph	0	Congestion, Category 3	25 mph	0 min	14 min
(A) (3)	G St. S, b/t A St. & J St.,	1 mi	15 mph	1	None	15 mph	+2 min	6 min
(4)	J St. SW, b/t G St. & 2 nd St.	2 mi	30 mph	0	Congestion, Category 4	25 mph	0	4.5 min
(5)	2 nd St. NW, b/t J St. & Hwy 350	0.5 mi	15 mph	1	Congestion, Category 2	8 mph	+1 min	5 min
(6)	Hwy 350 N, b/t J St. & Hwy 350	5 mi	55 mph	0	None	55 mph	0	5.5 min
TOTAL TIME FOR ROUTE "A" = 40 MINUTES								
(1)	Rt 23 N, b/t 1 st & 2nd Sts.	0.5 mi	45 mph	1	None	45 mph	+1 min	1.5 min
(B) (2)	2 nd St. W, b/t Rt 23 N & Hwy 350	6 mi	15 mph	8	Congestion, Category 4	12 mph	+8 min	38 min
(3)	Hwy 350 N, b/t Rt 23 N & Hwy 350	5 mi	55 mph	0	None	55 mph	0	5.5 min
TOTAL TIME FOR ROUTE "B" = 45 MINUTES								
(1)	Rt 23 S, b/t 2 nd & 1 st Sts.	.5 mi	45 mph	1	None	45 mph	+1 min	2.5 min
(2)	1 st St. W, b/t Rt 23 & I-87.	2 mi	35 mph	0	None	35 mph	0	3.5 min
(C) (3)	I-187 SW, b/t 1 st St. & I-95	2 mi	65 mph	0	None	65 mph	0	2.0 min
(4)	I-95 NW, b/t I-87 & G St.	6 mi	65 mph	0	Accident, Category 1	8 mph	0	45 min
(5)	G St. N, b/t I-95 & 22 nd St.	1 mi	25 mph	1	None	25 mph	1	3.4 min
(6)	22 nd St. W, b/t G St. & Hwy 350	3 mi	50 mph	0	None	50 mph	0	3.6 min
(7)	Hwy 350 N, b/t G St. & Hwy 350	10 mi	55 mph	0	None	55 mph	0	5.5 min
TOTAL TIME FOR ROUTE "C" = 65 MINUTES								

FIG. 6

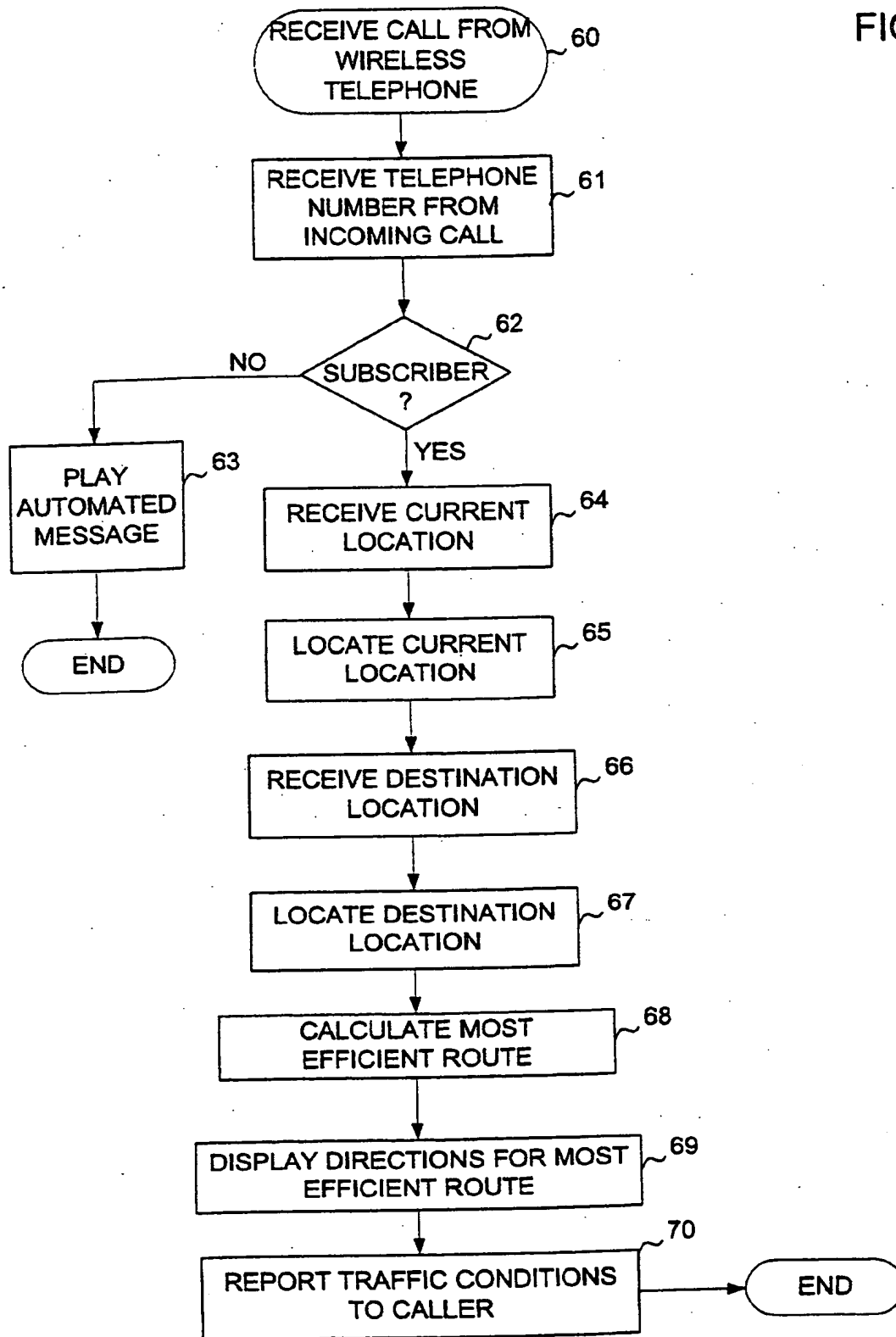


Figure 7

Present Location: I-495, Tysons Corner, VA

Destination Location: Rockville Pike, Rockville, MD

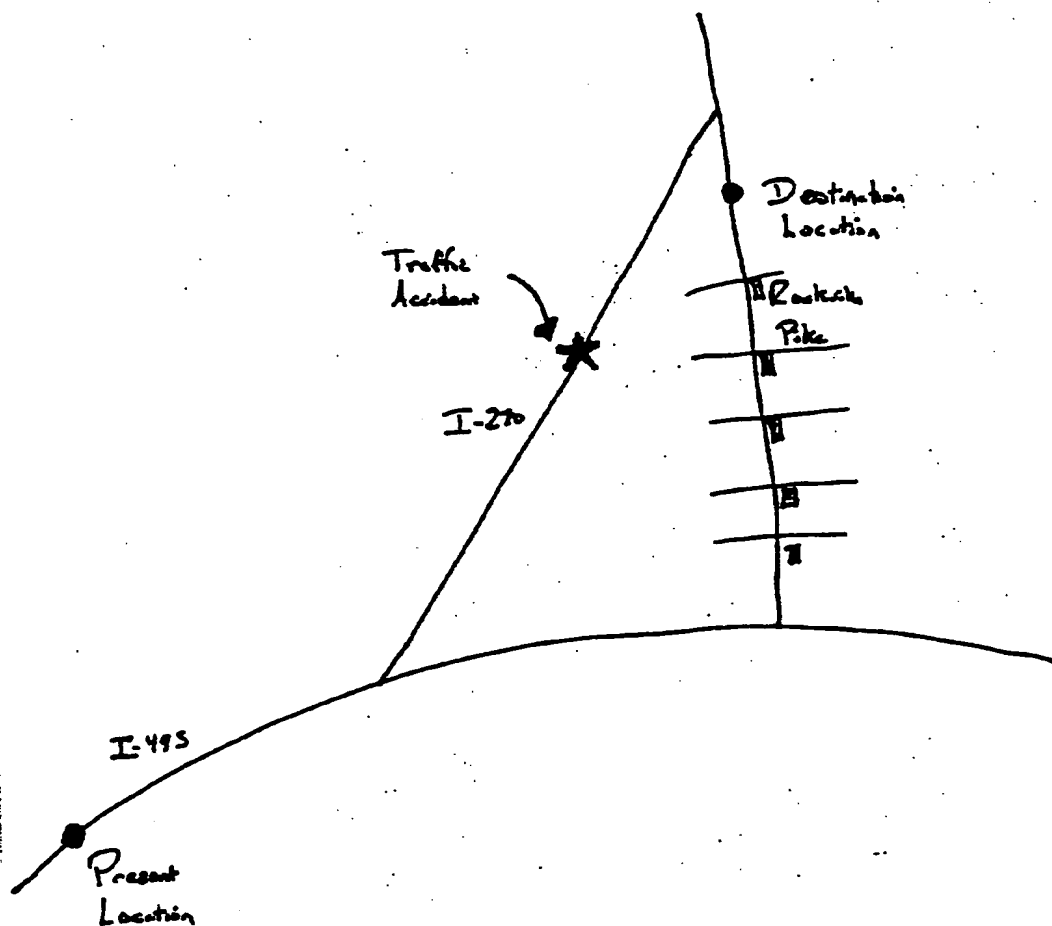


FIG. 8

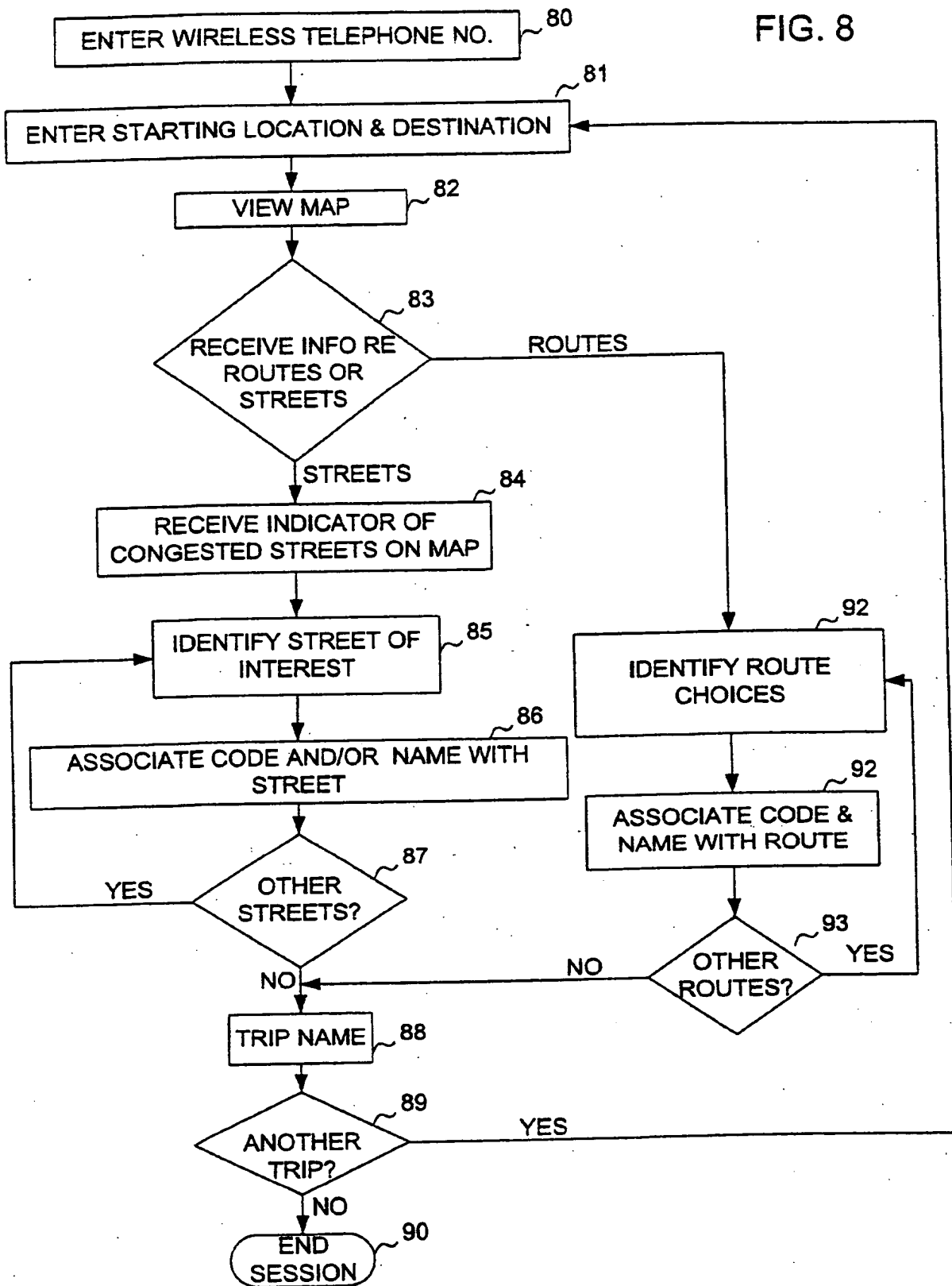
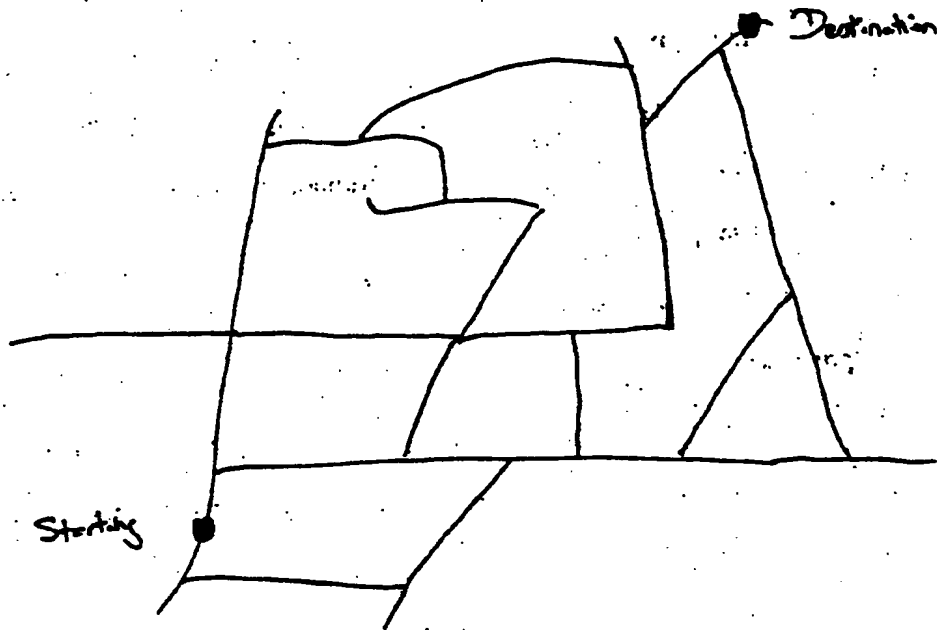


Figure 9A

Enter Cellular Telephone Number: 404-628-5465

Enter Starting Location: 1459 Peachtree Street

Enter Destination Location: 154 Barbados Place

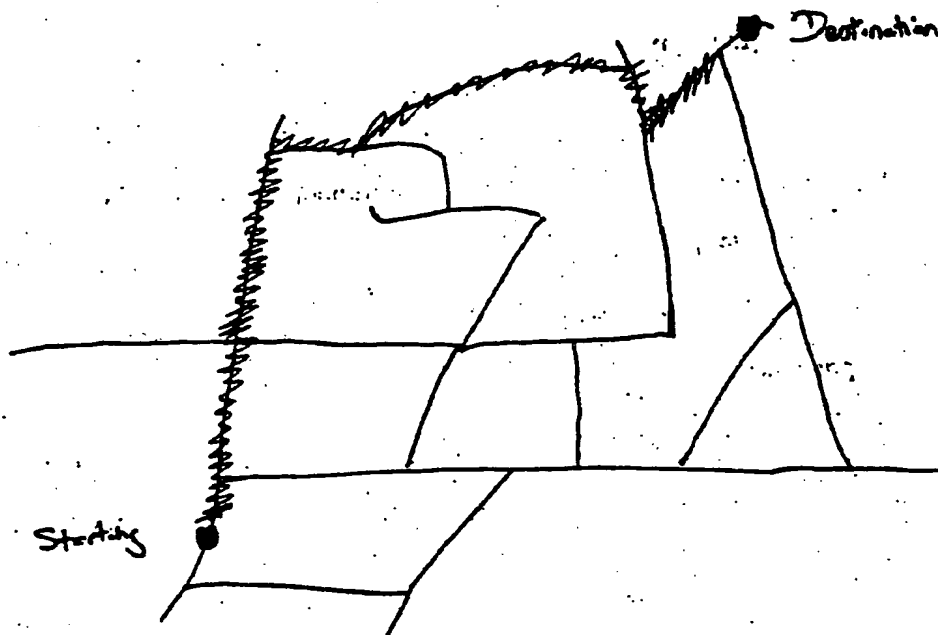


Receive Information for: ○ Streets ● Routes

Identify Trip: Commute Home

Figure 9B

Identify Route:

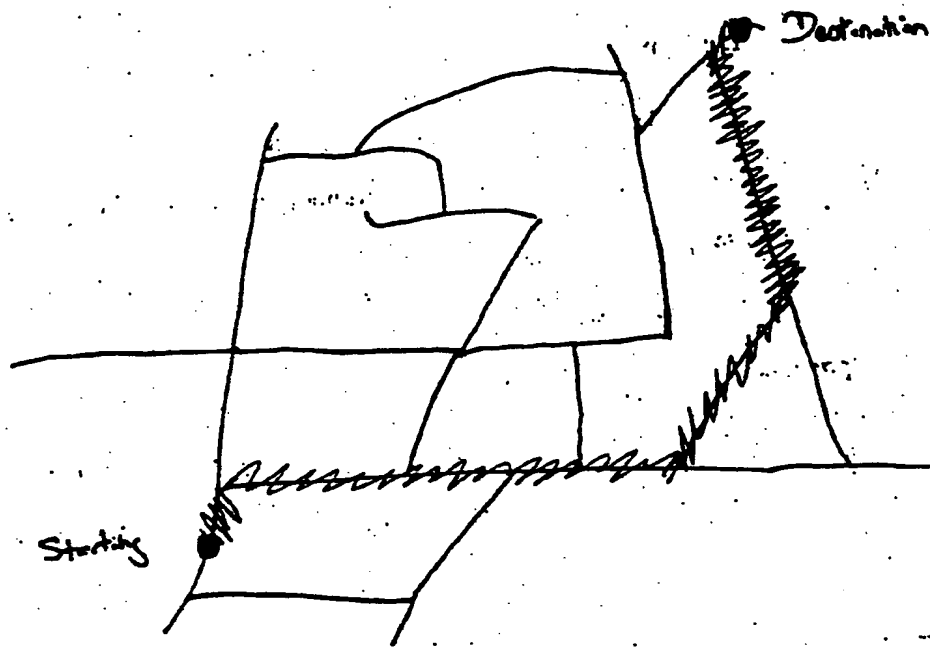


Identify Name of Route: Along Peachtree

Identify Another Route: ☒ Yes ☐ No

Figure 9C

Identify Route:



Identify Name of Route:

Along Midtown

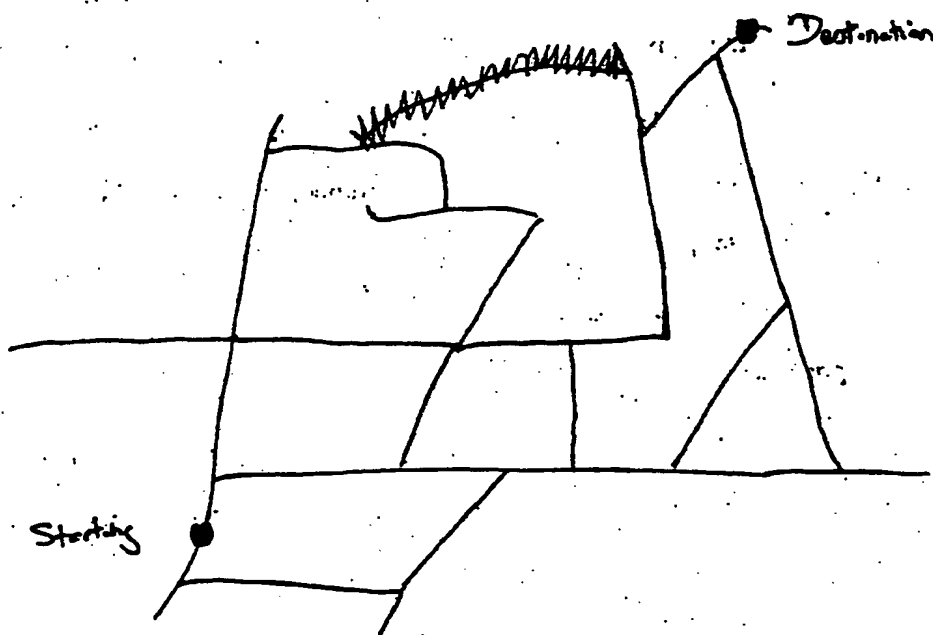
Identify Another Route:

☐ Yes

☒ No

Figure 10A

Identify Street:



Identify Name of Street:

Third Street

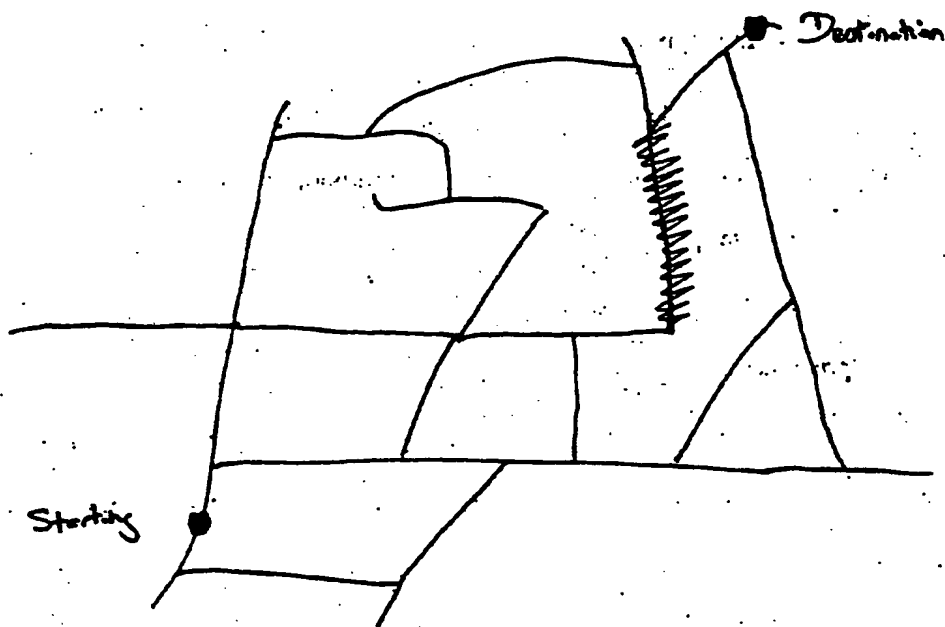
Identify Another Street:

☒ Yes

☐ No

Figure 10B

Identify Street:



Identify Name of Street:

Jay Street

Identify Another Street:

☐ Yes

☒ No

FIG. 11

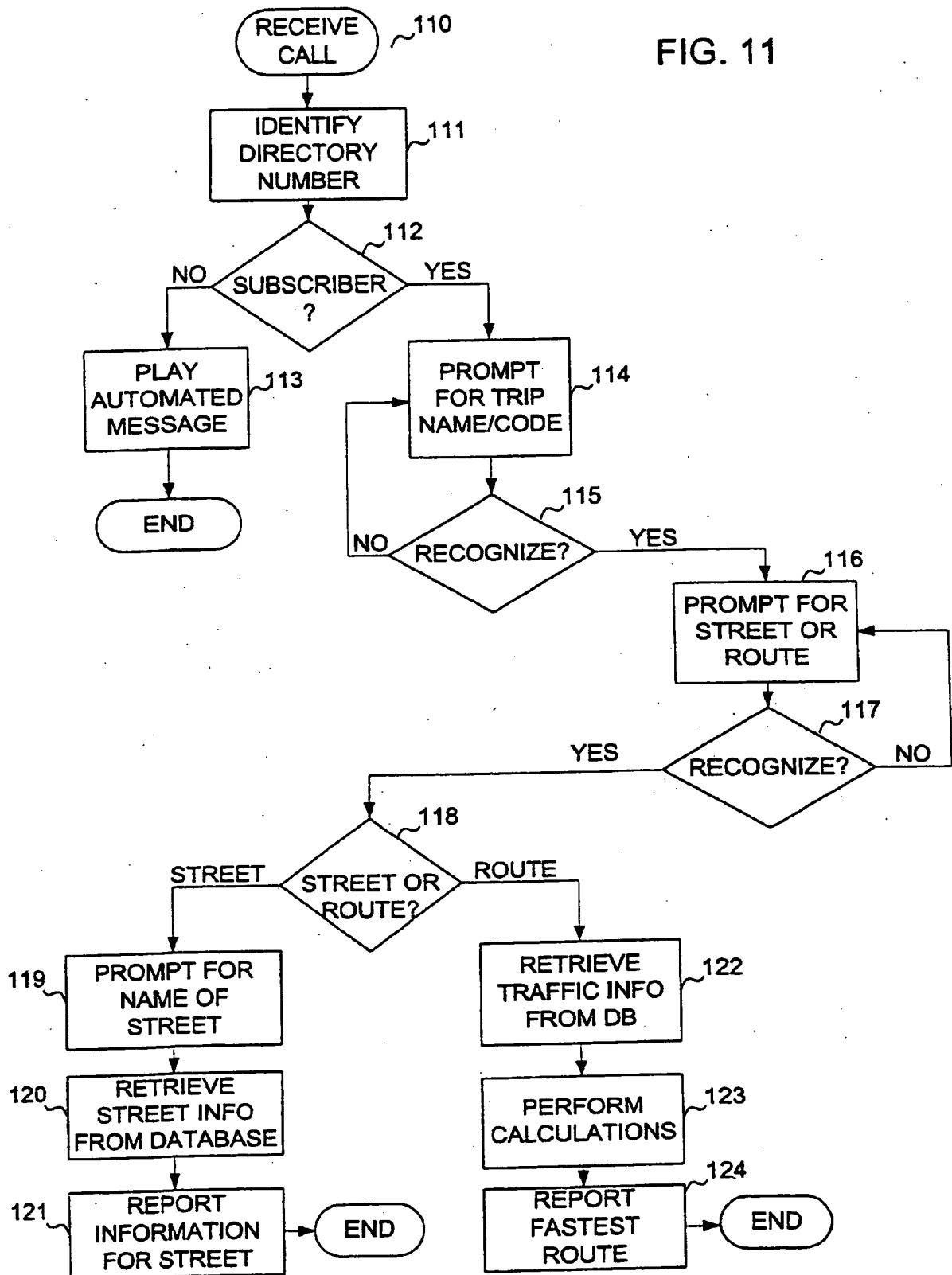


FIG. 12A

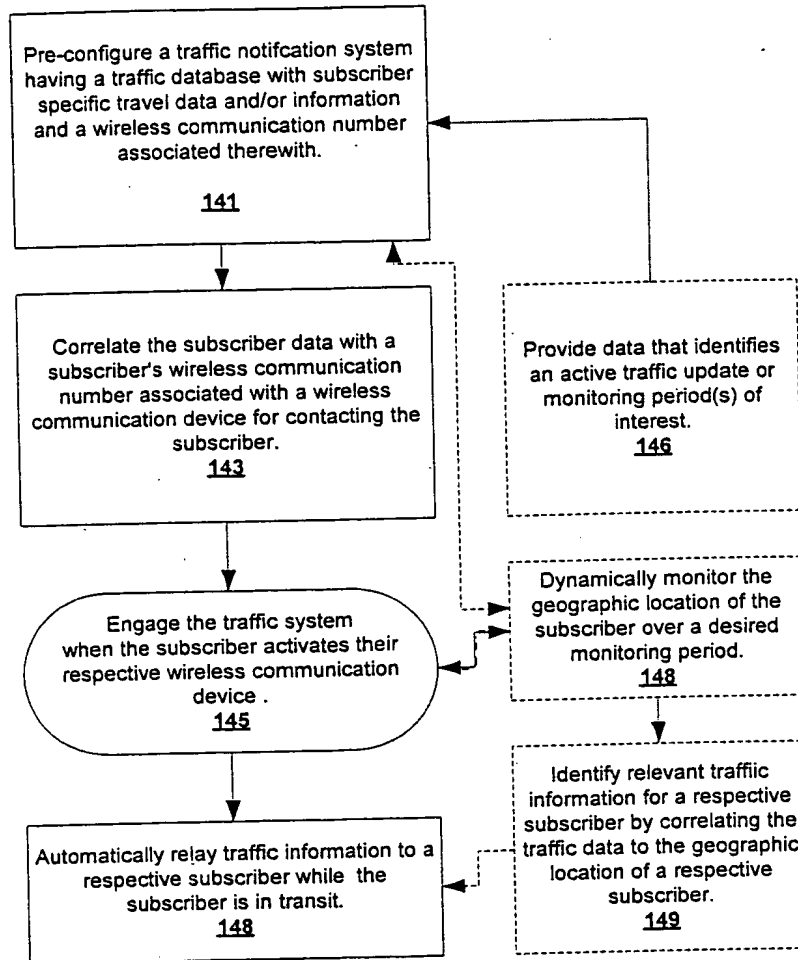


FIG. 12b

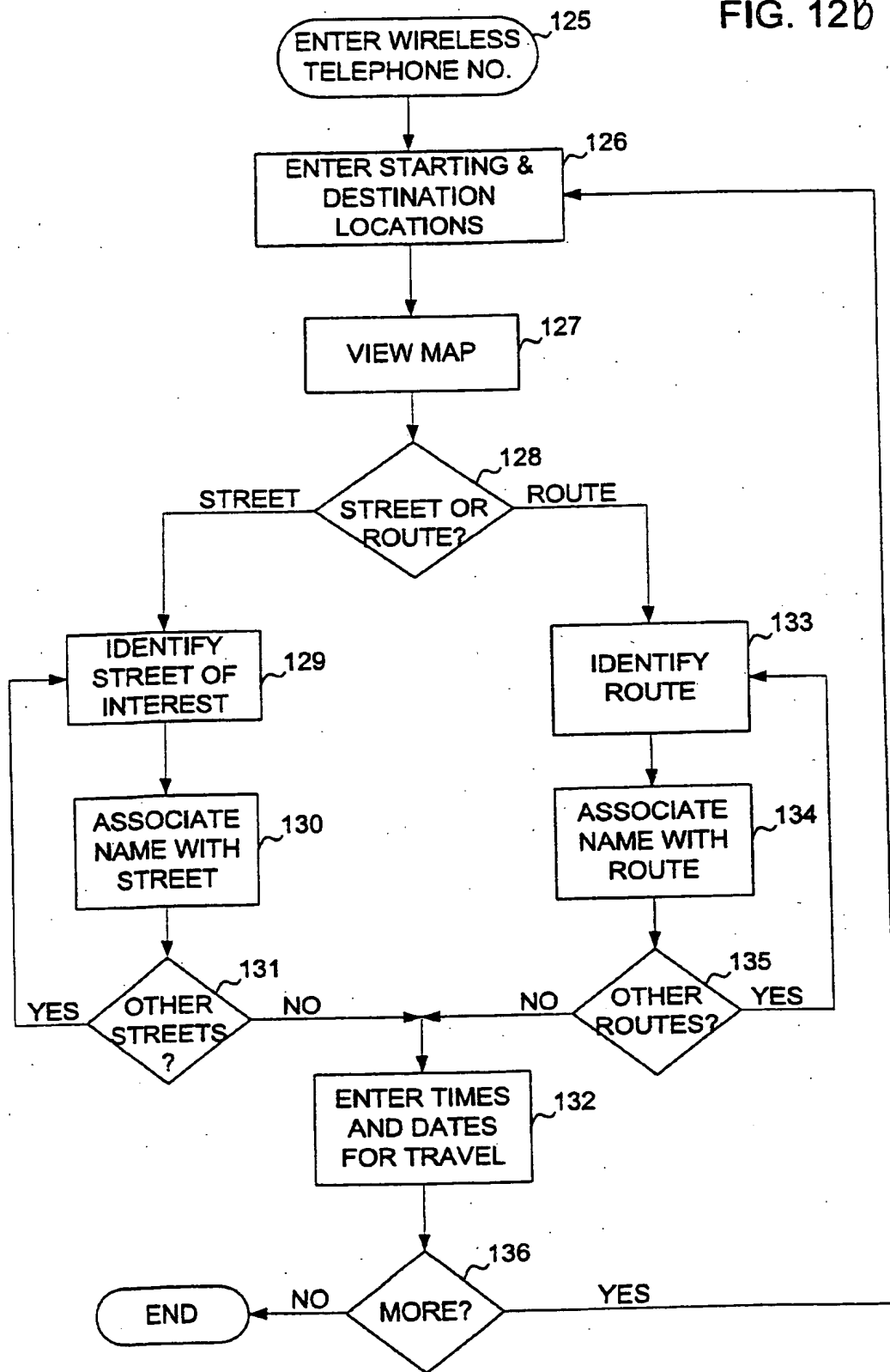


Fig. 13

SUBSCRIBER DATABASE

<p>CLIENT: JOHN DOE</p> <p>DIRECTORY NUMBER: (404) 555-1325</p> <p>INFORMATION REPORTING FORMAT: SMS</p>	
1.	<p>STREET: HALLOWELL DRIVE, NORTH</p> <p>LOCATION: BETWEEN 3RD & 5TH STS.</p> <p>TIME: 12:00 PM</p> <p>DAYS OF WEEK: SATURDAY</p>
2.	<p>ROUTE: ALONG CHERRY VALLEY</p> <p>STREETS: (1) RT 23 N, B/T 1ST & A STS., 3 MI</p> <p>(2) A ST. W, B/T RT 23 N & G ST., 6 MI</p> <p>(3) G ST. S, B/T A ST. & J STS., 1 MI</p> <p>(4) 2ND ST. NW, B/T J ST. & S STS., 5 MI</p> <p>TIME: 8:00 AM</p> <p>DAYS OF WEEK: WEEKDAYS</p> <p>COMPARE WITH: "ALONG HIGHWAY"</p>
3.	<p>ROUTE: ALONG HIGHWAY</p> <p>STREETS: (1) I-395, B/T EXIT 35 & EXIT 47, 10 MI</p> <p>(2) BACKLICK ROAD, B/T I-395 & ____ RD, 3 MI</p> <p>TIME: 8:00 AM</p> <p>DAYS OF WEEK: WEEKDAYS</p> <p>COMPARE WITH: "ALONG CHERRY VALLEY"</p>

FIGURE 14

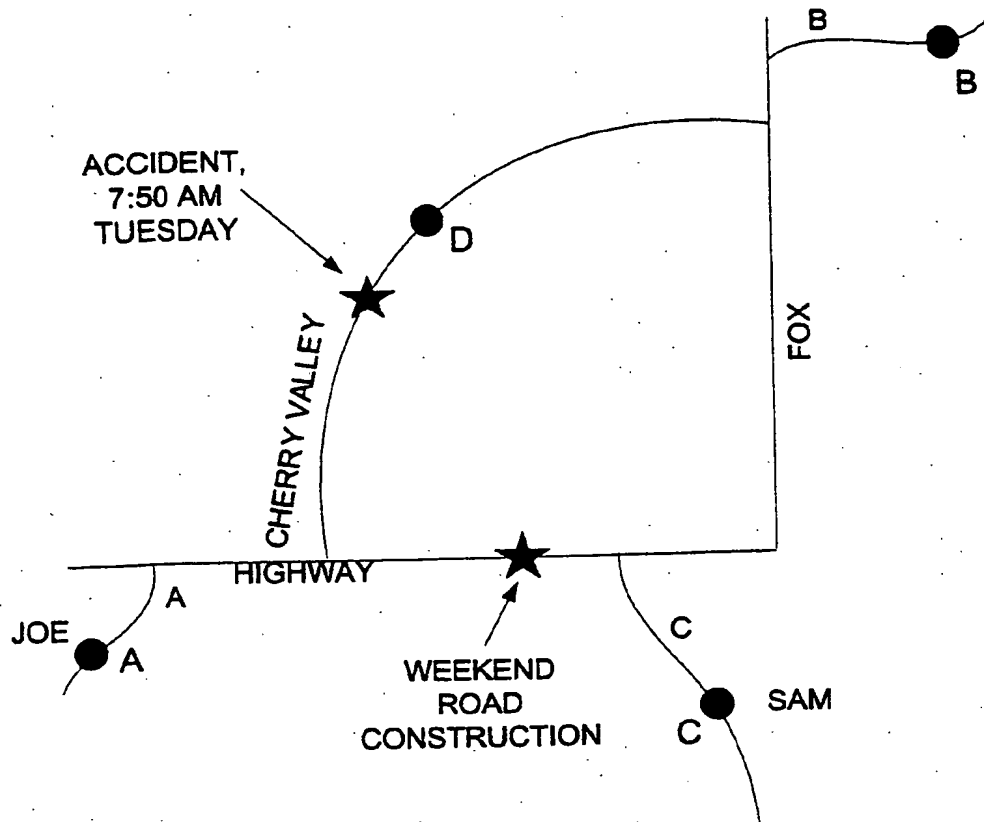


FIGURE 15

	TIME/DAY	SUBSCRIBER NO./NAME	ROUTE/ STREET	INFO
1.	8:00 AM, MONDAY	555-1212/JOE	ROUTE	A HIGHWAY FOX B = "ALONG HIGHWAY" A CHERRY VALLEY FOX B = "ALONG CHERRY VALLEY"
2.	11:00 AM, MONDAY	650-1324/SARAH	STREET	FOX STREET, B/T HIGHWAY & B
3.	3:30 PM, MONDAY	924-3526/TONY	ROUTE	C FOX B = "BY FOX" C HIGHWAY D FOX B = "DETOUR"
4.	5:00 AM, TUESDAY	999-1234/SAM	STREET	HIGHWAY, B/T A & C
5.	8:00 AM, TUESDAY	555-1212/JOE	ROUTE	A HIGHWAY FOX B = "ALONG HIGHWAY" A CHERRY VALLEY FOX B = "ALONG CHERRY VALLEY"
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6.	12:00 PM, SATURDAY	999-1234/SAM	STREET	HIGHWAY, B/T A & C
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Automated and Location Based Traffic Notification System Architecture

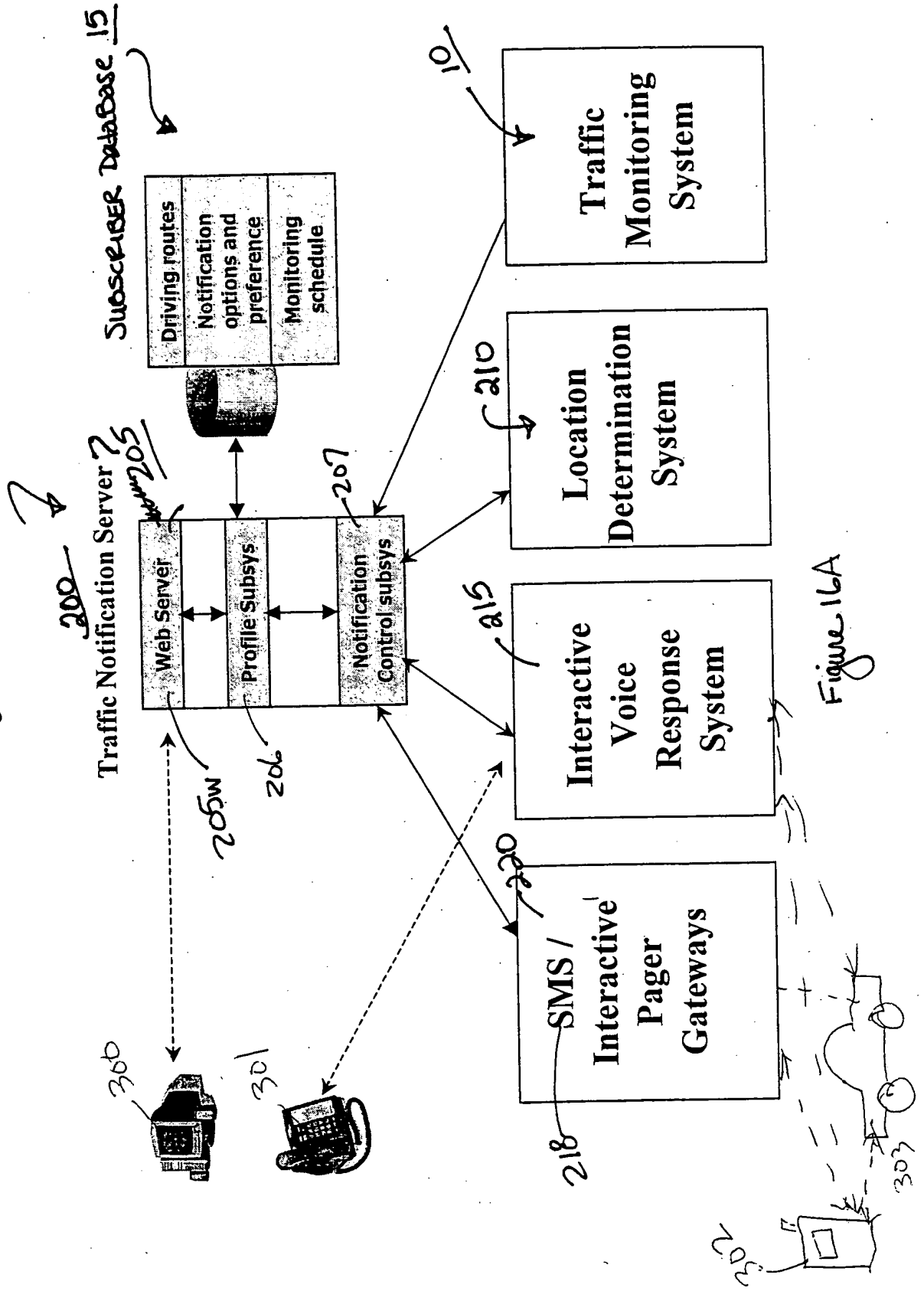
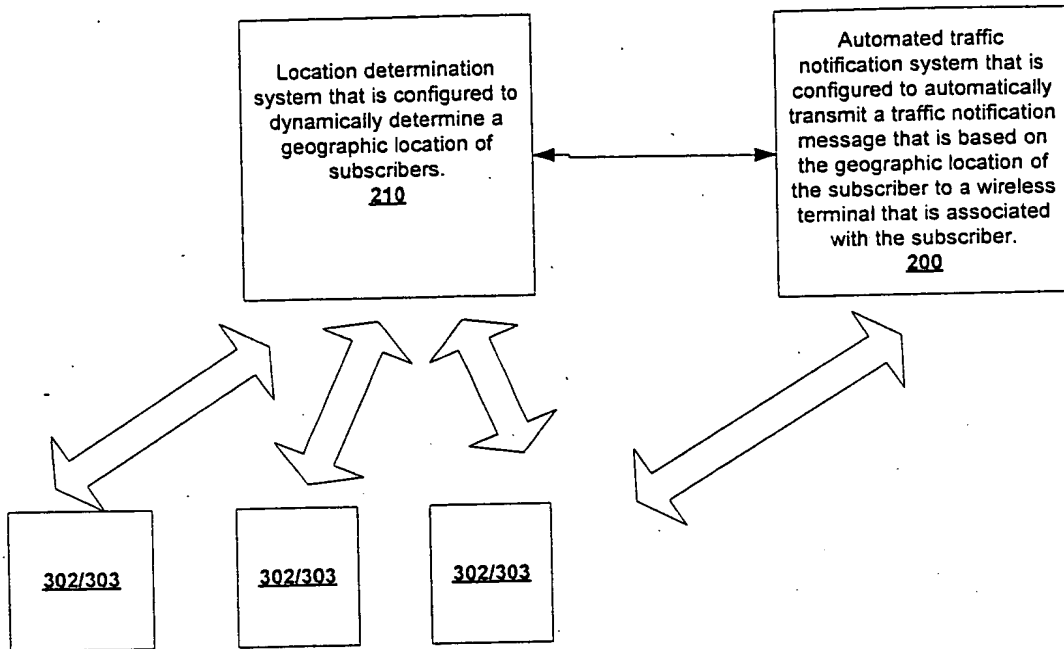


FIG. 16B



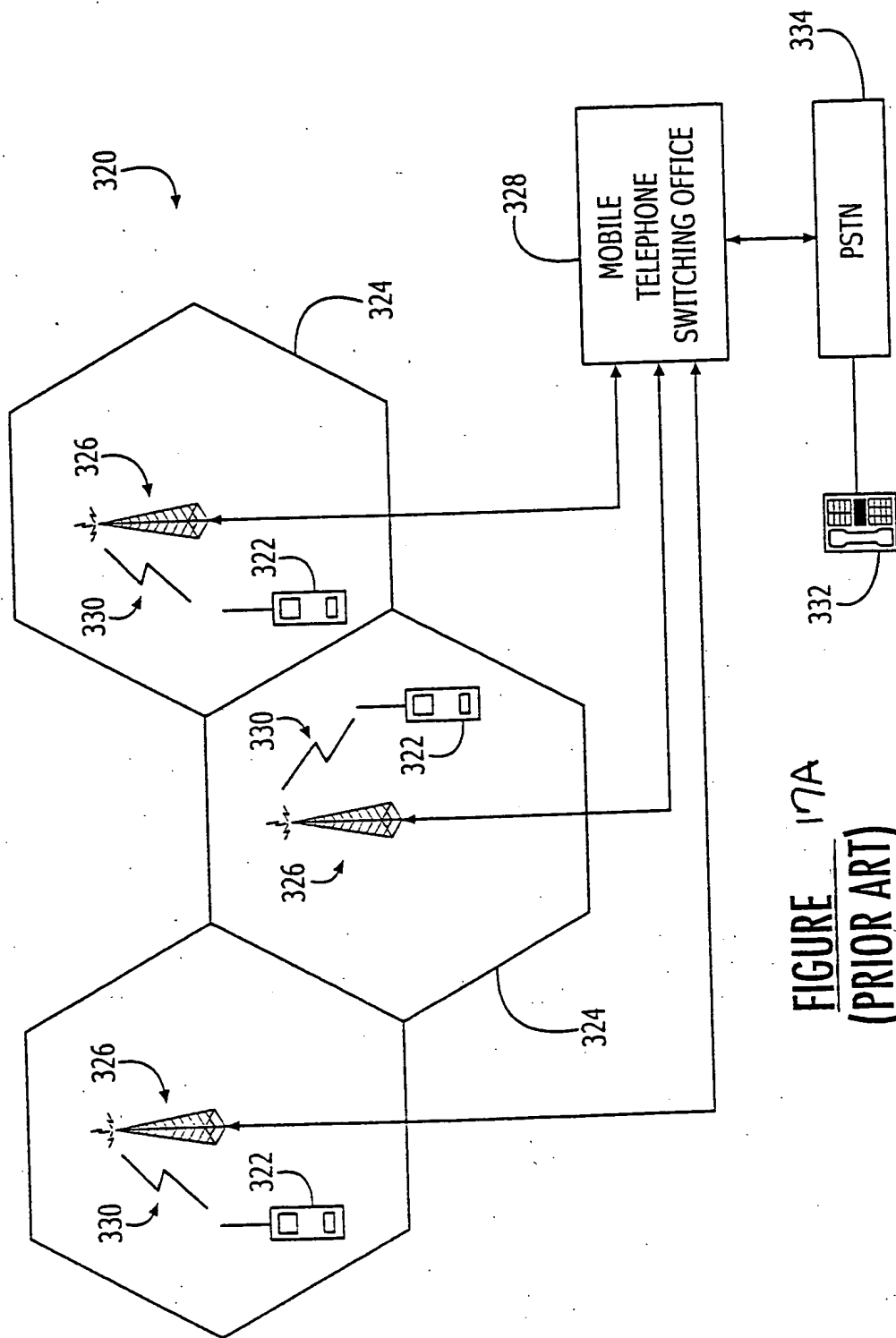
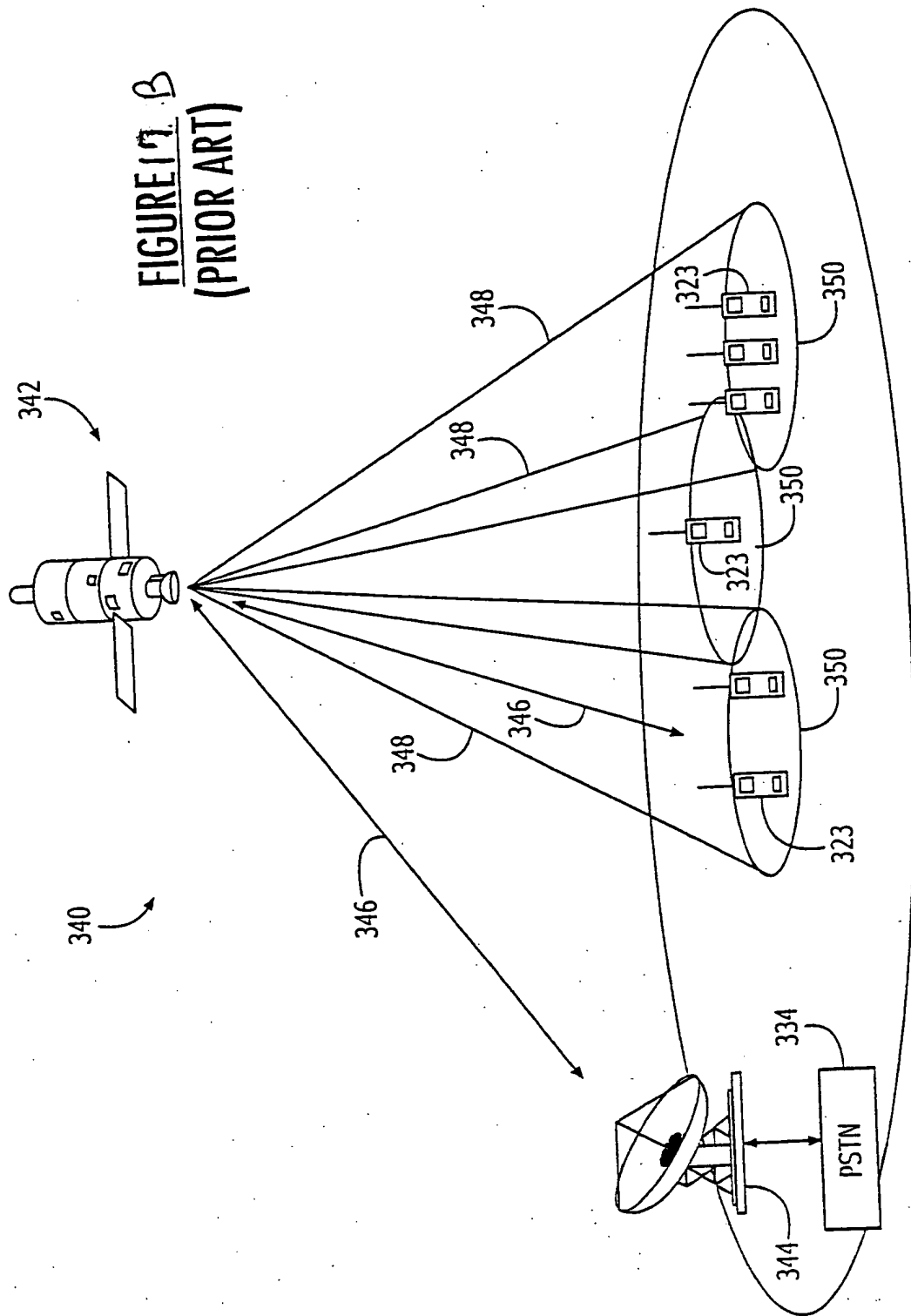


FIGURE 17A
(PRIOR ART)

FIGURE 17.B
(PRIOR ART)



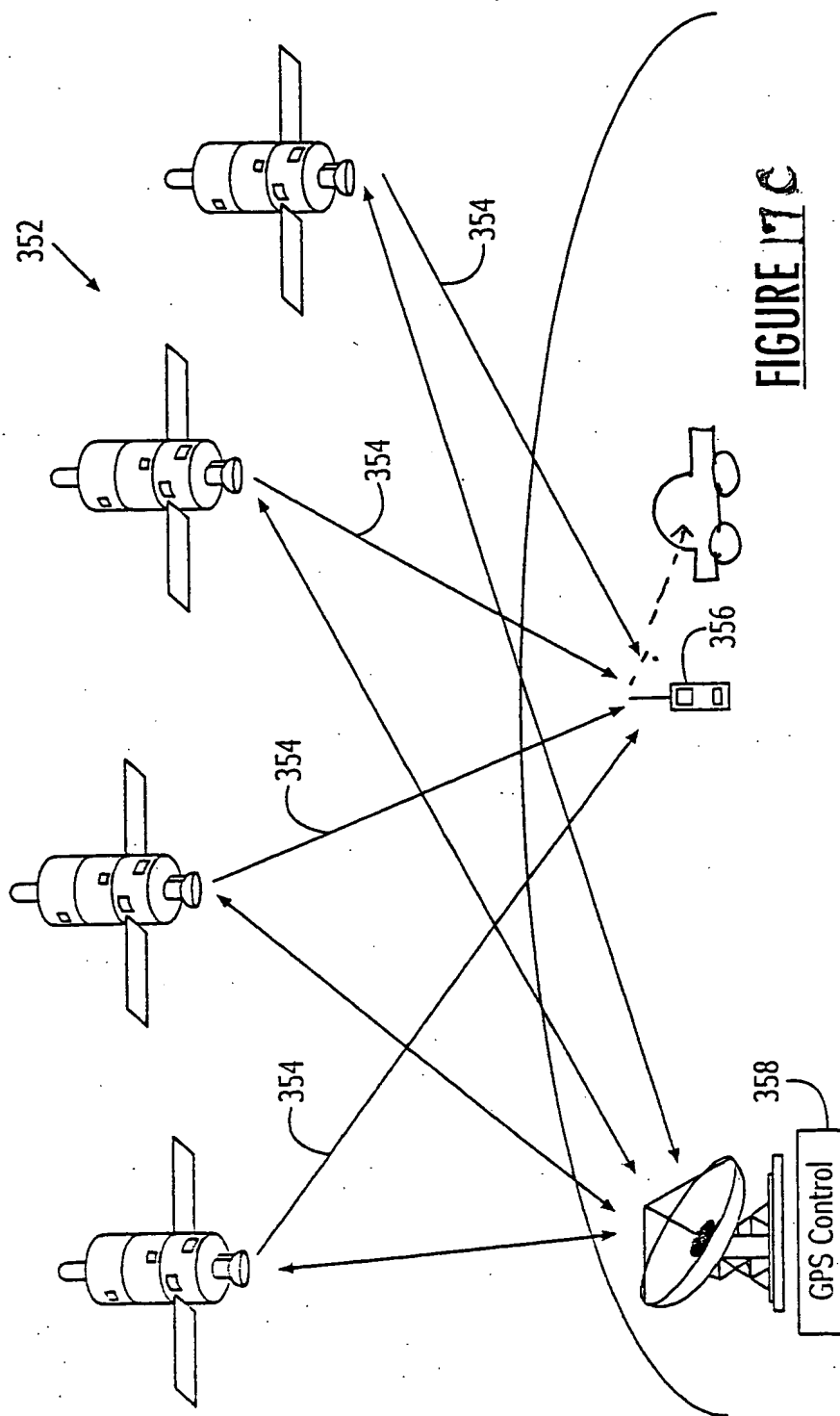


FIGURE 17C

FIG. 18

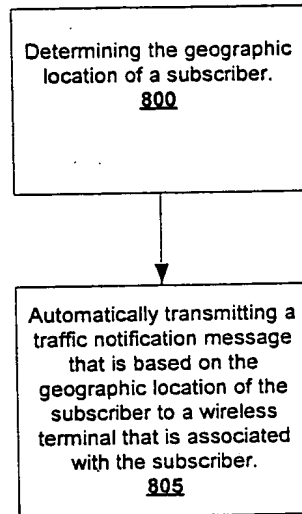


FIG. 19

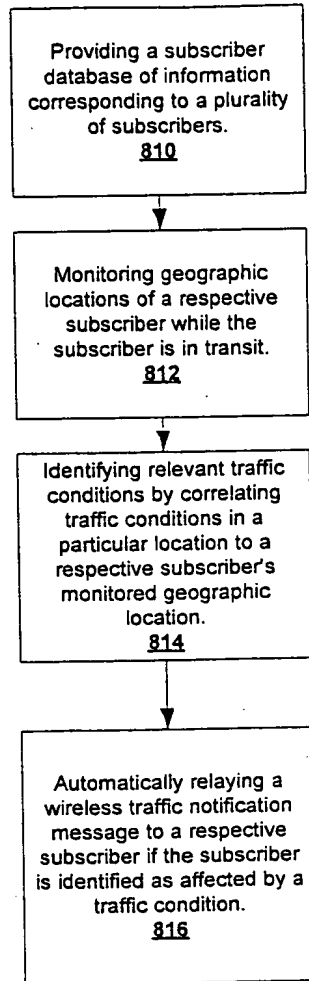


FIG. 20

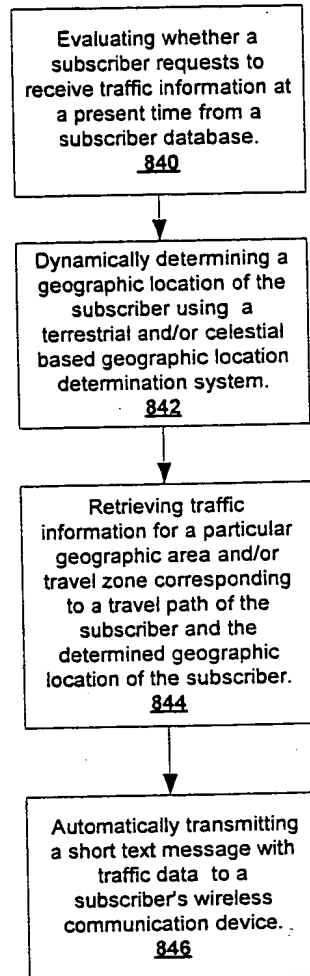


FIG. 21

